

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	201	(grasp\$ same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:14
L2	0	l1 and (capture with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:14
L7	29	((grasp\$ with device) same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:24
L8	5	434/262.ccls. and (grasp\$ or gripping) same tubular	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:18
L9	17175	(grasp\$ same tubular) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:19
L10	336846	((tubular with fingers) same grasp or grip) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:20
L11	16894	((tubular with fingers) same grasp or grip) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:20

## EAST Search History

L12	29	((grasp\$ with device) same (sensor or sensing) same actuator) and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:21
L13	5	434/262.ccls. and (grasp\$ or gripping) same tubular	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:22
L14	0	(tubular adj grasping adj member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:27
L15	0	(circular adj grasping adj member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:27
L16	25	434/262.ccls. and tubular and @pd<"19990121"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:26
L17	134712	(tubular adj grasping member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:27
L18	134712	(circular adj grasping member) and @pd<"19990121" and actuator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 08:27

## EAST Search History

S1	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/22 06:28
S2	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2006/11/01 13:59
S3	1	("5855583").PN.	USPAT; USOCR	OR	OFF	2006/11/01 15:12
S4	1	("5746753").PN.	USPAT; USOCR	OR	OFF	2006/11/01 15:12
S5	43	"0485766" "0908836" "0169776" "0800804" "2592514"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/02 08:14
S6	30	((("2972140") or ("3157853") or ("3220121") or ("3226846") or ("3304434") or ("3497668") or ("3520060") or ("3517446") or ("3541541") or ("3623064") or ("3748366") or ("3775865") or ("3902687") or ("3903614") or ("3911416") or ("4127752") or ("4160508") or ("4236325") or ("4262549") or ("4321047") or ("4333070"))).PN.	USPAT; USOCR	OR	OFF	2006/11/02 12:55
S7	2	((("6057828") or ("6104382"))).PN.	USPAT; USOCR	OR	OFF	2006/11/02 08:42
S8	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2006/11/02 08:46
S9	0	434/262,267,272	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/02 12:55
S10	623	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2006/11/06 06:35
S11	43	S10 and endoscopic	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/02 14:13
S12	44	S10 and (medical with instrument)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/02 14:21
S13	1	("5623582").PN.	USPAT; USOCR	OR	OFF	2006/11/02 14:22
S14	623	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2006/11/06 10:19

## EAST Search History

S17	93	S14 and (grasp\$4 or clamp\$4) and insert\$4	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/06 06:44
S18	1	("5623582").PN.	USPAT; USOCR	OR	OFF	2006/11/06 09:12
S19	0	("8401507").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/06 09:12
S20	0	"08401507"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/06 09:12
S21	623	(434/262,267,272).CCLS.	USPAT; USOCR	OR	OFF	2006/11/06 12:27
S22	1	("5800179").PN.	USPAT; USOCR	OR	OFF	2006/11/06 12:27
S23	1	("5704791").PN.	USPAT; USOCR	OR	OFF	2006/11/07 09:32
S24	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 10:19
S25	1	("4423428").PN.	USPAT; USOCR	OR	OFF	2006/11/07 10:19
S26	1	("20040161257").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/07 10:38
S27	0	("jawsandgraspandengageandreleaseandspring").PN.	USPAT; USOCR	OR	OFF	2006/11/07 10:58
S28	3017	jaws and grasp and engage and release and spring	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 11:10
S29	867	S28 and actuator	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 11:51
S31	6	S29 and "collet expander"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 12:01
S32	5	S29 and collet and conical and expander	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/07 12:11

## EAST Search History

S33	1	("6106301").PN.	USPAT; USOCR	OR	OFF	2006/11/07 12:11
S35	6964	"quick connect"	USPAT	OR	OFF	2006/11/13 11:19
S36	620	S35 and conical and spring	USPAT	OR	OFF	2006/11/09 10:38
S37	0	"fasteners for assembling devices in space"	USPAT	OR	OFF	2006/11/09 10:38
S38	0	"assembling devices in space"	USPAT	OR	OFF	2006/11/09 10:39
S39	0	"07824806"	USPAT	OR	OFF	2006/11/09 10:40
S40	1	("5186567").PN.	USPAT; USOCR	OR	OFF	2006/11/09 10:40
S41	1	"10657145"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/09 13:29
S42	138	"4943280"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/09 13:42
S43	1	("4647082").PN.	USPAT; USOCR	OR	OFF	2006/11/09 14:29
S44	8050	connect and actuate\$3 and (jaw\$3 or fingers or clamp\$3 or claws) and conical and engage\$2	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/14 14:08
S45	11	S44 and "collet expander"	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/09 15:39
S46	428	S44 and collet	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/13 08:18
S47	163	connect and device and space and collet and conical and fingers	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/13 08:24
S48	1	("5186567").PN.	USPAT; USOCR	OR	OFF	2006/11/13 08:25
S49	32	quick near connect near wire	USPAT	OR	OFF	2006/11/13 11:20
S50	1069	ink and pen and spring and engage and release	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/14 09:21

## EAST Search History

S51	201	(jaw\$3 or fingers or clamp\$3 or claws or latch) and conical and engage\$2 and collet and expand and lever	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/14 14:09
S52	25	"woven mesh" and expand and constrict and diameter	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/22 08:13